

Name(s) of Risk Team Members: P. Cirnigliaro, A. Etkin, R. Karol, E. Lessard, J. Maraviglia, D. Passarello, A. Piper, R. Savage, J. Scott, M. Van Essendelft			Point Value → Parameter ↓		1		2		3		4		5				
Area/Facility Description Title: Collider-Accelerator Department Area/Facility # (if applicable): Area-Wide FRA 23			Occupancy or Use		≤once/year		≤once/month		≤once/week		≤once/shift		>once/shift				
Area/Facility Description: Area-Wide 90-day and Satellite Areas			Severity		First Aid Only		Medical Treatment		Lost Time		Partial Disability		Death or Permanent Disability				
			Likelihood		Impossible		Unlikely		Possible		Probable		Multiple				
Approved by: <i>E. Lessard</i> Date: 7-20-04 Rev.#: 1										Comments:							
Reason for Revision (if applicable): FRA number added.																	
				Before Additional Controls								After Additional Controls					
Physical Item or Activity		Hazard(s)	Control(s)	Occupancy A	Severity B	Likelihood C	Risk* AxBxC	Control(s) Added to Reduce Risk				Occupancy A	Severity B	Likelihood C	Risk* AxBxC	% Risk Reduction	
Chemical Handling		Burns	Procedures, compliance with regulations, training, CMS inventory, MSDS, volume controls, Fire/Rescue group response, PPE as required, locked or controlled areas, postings, labeling, proper containers, segregation, spill cleanup equipment available, Tier 1 inspections, 90-day and Satellite Area controls	4	3	2	24										
Chemical Handling		Asphyxiation	Procedures, compliance with regulations, training, CMS inventory, MSDS, volume controls, Fire/Rescue group response, PPE as required, locked or controlled areas, postings, labeling, segregation, Tier 1 inspections, 90-day and Satellite Area controls	4	3	2	24										
Chemical Handling		Eye exposure	Procedures, compliance with regulations, training, CMS inventory, MSDS, volume controls, PPE as required, eyewash and showers, locked or controlled areas, postings, labeling, proper containers, segregation, Tier 1 inspections, 90-day and Satellite Area controls	4	4	2	32										
Chemical Transport		Burns, asphyxiation, eye exposure	Procedures, compliance with regulations, training, CMS inventory, MSDS, volume controls, Fire/Rescue group response, PPE as required, postings, labeling proper containers, segregation, spill cleanup equipment available, only BNL vehicles used, Facility transport point-of-contact SME.	3	2	3	18										
Further Description of Controls Added to Reduce Risk:																	
*Risk:		0 to 20		21 to 40		41-60		61 to 80		81 or greater							
		Negligible		Acceptable		Moderate		Substantial		Intolerable							